

Epidemic Puts Premium On Mature Campus Blood

The recent measles epidemic on campus could threaten vital blood supplies, unless faculty and support staff turn out in force at next week's Red Cross donor clinic.

Traditionally, the bulk of campus blood comes from the student body. But this year many of these potential donors are ineligible to give because they were vaccinated.

"We badly need faculty members and support staff this time around," says Faye Ripley, on behalf of the Red Cross. "If you've thought about giving in the past and didn't—this is it!"

And please, the Red Cross asks, don't disqualify yourself. If you're in doubt about your blood, turn up anyway and let the Red Cross decide.

The clinic runs from 6 through 9 April at CAB. Don't let the Red Cross down! □

Canadian Journal of Rehabilitation is New Venture in Publishing

Canada's first interdisciplinary journal in rehabilitation will be published quarterly beginning in September 1987. The *Canadian Journal of Rehabilitation* will provide a national forum for researchers and practitioners in all rehabilitation related disciplines to exchange information on research and theory in habilitation and rehabilitation, primarily from an interdisciplinary perspective.

The *Journal* is bilingual and all accepted papers will be published with both English and French abstracts.

Manuscripts to be considered for the premiere issue must be received by 15 May 1987.

The *Journal* welcomes applications from consulting editors to review submitted manuscripts. Interested scholars, researchers and practitioners should submit a résumé along with a covering letter outlining areas of special interest by 1 May.

Submissions or enquiries may be directed to: J. Vargo, Editor-in-Chief, *Canadian Journal of Rehabilitation*, c/o Faculty of Rehabilitation Medicine, 310 Corbett Hall, University of Alberta, Edmonton, Alberta T6G 2E2. □

University of Alberta

FOLIO

University of Alberta

2 April 1987

New Program Homes In On Funding for Research and Professional Development

The following statement has been supplied by J.D. Fitzgerald, Administrative Accountant, Treasury, Office of the Comptroller.

The Board of Governors has approved a program directed at increasing the funds allocated for research and professional development purposes. The program provides for the transfer of budgeted expenditures for:

- Special Sessions stipends,
- Extension stipends,
- Principal investigator fees which exceed actual expenditures by reason of staff members waiving entitlement to this remuneration, to special Departmental Trust Accounts (for Research and

Professional Development Purposes).

These funds will then be available to the Dean or Department Chair for general use of each department concerned to provide support for expenditures for approved research and professional development purposes.

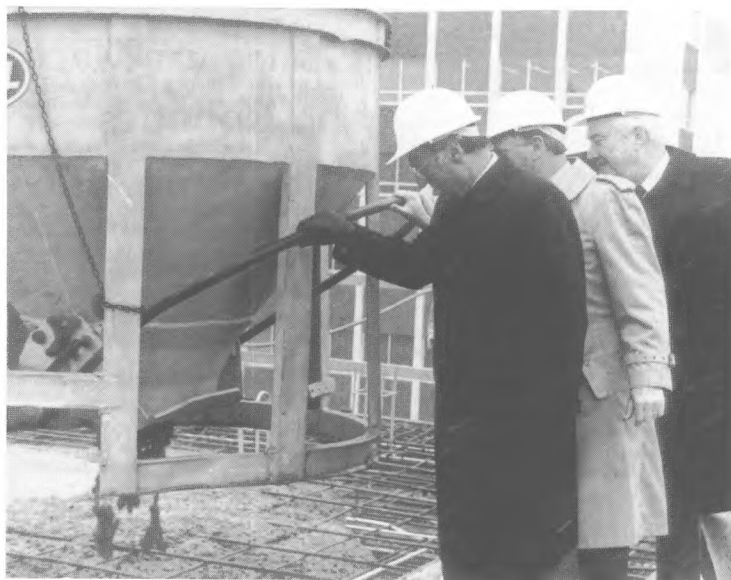
It is also expressly understood that any equipment, etc. purchased with these funds is at all times the property of the University of Alberta.

Staff members who wish to participate would first sign an acknowledgement of their willingness to waive any entitlement to remuneration and

any influence or control over future spending of the funds. Once the terms and conditions of the work to be done were clearly established, the appropriate signing authority would issue a Letter of Engagement. Upon satisfactory completion of the work, the signing authority would prepare a Request for Reallocation requesting Special Funds Division, Office of the Comptroller, to make the necessary transfer of funds to the appropriate Departmental Trust Account (for Research and Professional Development Purposes).

Policy guidelines relating to Departmental Trust accounts generally and a separate appendix of Guidelines for Accounts (for Research and Professional Development Purposes) are available from the Office of the Comptroller.

Queries regarding these guidelines and procedures should be referred to the Accountant, Special Funds Division, Office of the Comptroller, (telephone 432-4343). □

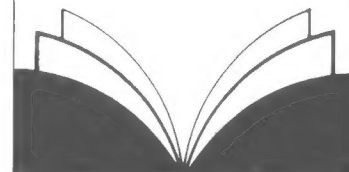


All Together Now

It has been said that it's lonely at the top, but such was not the case at the recent topping-off ceremony on the roof of the Heritage Medical Research Building. A number of officials representing the University, Alberta Heritage Foundation for Medical Research (AHFMR), and PCL Constructors Western Inc. braved the elements to mark the occasion. Here (left to right), muscles are flexed as Chancellor Tevie Miller, Board of Governors Chairman John Schlosser, and AHFMR Trustees Chairman Eric Geddes pull the lever on the last bucket of cement. It is expected that the \$18 million facility will be completed by December 1987.

Contents

- Of FSIDA and its allocations
- Caelli addresses ECAT
- Connection with Gandalf celebrated
- Now on view at FAB Gallery
- 'Activities'



2 April 1987

Fund For Support of International Development Activities

The Fund for the Support of International Development Activities was established in 1982 and continues to be supported through allocations from the University of Alberta Endowment Fund for the Future.

The Fund was established in support of:

1. Individuals preparing formal project proposals for submission to a funding agency. (Assistance may be requested for travel, communication, and other relevant and reasonable expenses.)
2. A department or Faculty for replacing a faculty member (maximum of four months) who participates in an international development project off campus. (In most cases, replacement costs will cover teaching, but for staff whose primary responsibilities are of a counselling or administrative nature, cost of replacement will also be considered.)
3. Individuals who require assistance for travel and research which arise from projects with clear development implications.

The Fund is administered centrally with projects being submitted to an Advisory Committee whose membership is as follows: two members *ex officio* and seven members appointed for a two-year term, staggered.

● one nominee of Deans' Council,
● one nominee of the President's Advisory Committee of Chairmen,
● three members of academic staff appointed by the Vice-President (Academic),
● one lay member of the Board of Governors appointed by the Board,
● one nominee of the Canadian Council for International Co-operation,
● one representative of the Vice-President (Research) (*ex officio*),
● one representative of the Vice-President (Academic) (*ex officio*).

The Chairman is elected by the Committee members on an annual basis. The Committee Secretary is Eva Cherniavsky, Office of the Vice-President (Academic). The Committee normally meets three times a year following the

deadlines for submission of proposals: 15 January, 15 April and 15 October.

During the calendar year of 1986, the Advisory Committee considered a total of 28 new applications and three re-submissions of earlier projects. Of these, 14 applications for the support of international projects were approved in full or in part, to a total amount of \$48,809. During the same period, the Committee received matching grants from the Alberta Agency for International Development for 10 projects (some of which had been submitted to AAID in 1985), totalling \$24,170.

Distribution among Faculties was as follows:

Agriculture and Forestry: \$19,860
Education: \$11,066
Medicine: \$5,745
Pharmacy: \$1,687
Science: \$10,450
Total: \$48,808

The regional distribution of commitments was as follows:

Africa:
Cameroon: \$5,745
Zambia: \$3,986
Zimbabwe: \$2,000 \$11,731 (24%)
Asia
Nepal: \$9,308

Bhutan: \$4,821
India: \$9,845
P.R.C.: \$5,850 \$29,824 (61%)
Latin America:
Peru: \$1,047
Colombia: \$1,600 \$2,647 (5.5%)
Caribbean
Montserrat: \$2,919
Caricom: \$1,687 \$4,606 (9.5%)
Total: \$48,808

Since its implementation, the Fund has allocated the following amounts per fiscal year:

1982-83: \$32,849
1983-84: \$35,753
1984-85: \$42,278
1985-86: \$52,075
1986-87 (to date) \$40,144
Total: \$203,099

The Fund, Mrs. Cherniavsky notes, has served a multitude of worthwhile and significant development projects during its period of operation. "It actively promotes many of this University's contributions to international research and development with significant benefits accruing to the Third World and other developing countries. There is no doubt that this fund will continue to demonstrate the University's strong commitment to international development." □

FOLIO

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All enquiries and correspondence should be directed to:
Ron Thomas
Editor

Public Affairs produces *Folio* on a regular basis for the staff and other interested persons.



University
of
Alberta

Deadlines:

Notices of coming events: 9 a.m. three weeks in advance of desired publication date.
Classified advertisements: 3 p.m. one week in advance of desired publication date. This date also serves as the deadline for cancellation of advertisements. Advertisements cost 30 cents per word with no discount for subsequent insertions. There is a maximum limit of 30 words and a minimum charge of \$1.50. Contributors' corrections will be assessed at \$1.50 for each line in which an insertion is made. Advertisements cannot be accepted over the telephone. All advertisements must be paid for in full at the time of their submission.
Display advertisements: 3 p.m. one week in advance of desired publication date. Contact Public Affairs for sizes, rates and other particulars.

The editor reserves the right to select, edit and position submitted copy. Views expressed in *Folio* do not necessarily reflect University policy.

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Centre for Machine Intelligence and Robotics Hitting on All Cylinders

"It took a lot of sweat and tears to put together the Alberta Centre for Machine Intelligence and Robotics (ACMIR)," Terry Caelli, Killam Professor, and Director of the Centre, told guests of the Edmonton Council for Advanced Technology, 25 March, at their monthly dinner meeting.

But now the group is "off, flying, as international researchers," he said, embarking with gusto on his subject for the evening, "ACMIR: interdisciplinary research and future applications." ACMIR is now becoming known as the focal point at the University for the kind of artificial intelligence projects that involve a number of disciplines—even though there is as yet no building that can be pointed to as "the Centre".

The light of enthusiasm burning in his eye, Dr. Caelli emphasised that "commitment to working on

applications for industry, and commitment to a consultative role in supporting local industry are the themes that run through ACMIR."

Among projects already under development are systems to detect tumors on mammograms; predict severe storms; inspect the texture of meat; and screen canola crops for disease.

Areas of interest are computer vision; intelligent systems; robotics and control; and integrated production. Researchers come from Computing Science, Electrical, Mechanical and Chemical Engineering, Applied Sciences ... Medicine, and Psychology. Projects range all the way from applications to basic research.

"Summing up, we're excited about the technology," a visibly excited and enthusiastic Dr. Caelli concluded, "and we have a very clear eye for application." □

Gandalf's Efforts Recognized

For the past 15 years, Gandalf Data has been associated with the Department of Computing Services. The firm which started small—two employees, three-figure profits—now realizes an annual revenue in excess of \$100 million.

The University of Alberta has played a part in the success of the company through its 1972 purchase of the second Private Automatic

Computer exchange (PACX) in Canada. The exchange was used to connect a variety of terminals to appropriate computer ports.

Last year, Gandalf installed a PACX 2000 distributed data switching system, complete with 256 terminal lines, as part of a cooperative agreement with the University. The system, valued at \$75,000, was donated on the understanding that Computing Services provide Gandalf with up to 480 hours of consulting and development assistance.

A recent reception in the Stollery Centre afforded John Tartar, Associate Vice-President (Information Systems), and Computing Services' staff an opportunity to thank Gandalf for assisting in the development of the data communications system on campus. □

Working Together For a Viral Solution

A team effort, involving three universities, has helped scientists learn more about a virus belonging to the group that causes polio and the common cold.

The secrets of the Mengo virus structure at atomic resolution have been unravelled by the joint efforts of scientists at the University of Alberta in Edmonton, and at Purdue and Wisconsin universities in the United States.

"This is the only way science can be done these days," says University of Alberta biochemist Doug Scraba, who has worked for more than a decade with the Mengo virus. "Without collaboration you can't accomplish very much. For this production, we were the 'stage hands'."

The Mengo virus belongs to the same family group of viruses (picornaviruses) as the cold virus (rhinovirus) and the polio virus.

"The cold, polio and Mengo viruses are very alike, but they cause very different diseases," says University of Alberta researcher Ulrike Boege. "The more details we know about their structural similarities and differences, the more specific questions we can ask (and assess experimentally) about structure-function relationships, such as the binding of the virus particle to a receptor on a susceptible cell."

Boege cultured and purified large quantities of the Mengo virus, then shipped it to the American universities for study of the three-dimensional structure (Purdue) and the RNA sequence (Wisconsin). □

Reprinted from Research Report, published by the University's Office of Public Affairs.

Earth Sky and Water Agnieszka M. Matejko Sculpture FAB Gallery (until 5 April)

Born 1958 Warsaw, educated Poland, Zambia and Canada. Matejko works in wax, creating haunting tree-like, wave-like images of headless, feetless women.

"Ancient sculpture has been an important inspiration for me," says the sculptor, a student (1984-87) of Neil Fiertel and three times winner of the province's scholastic achievement award.

Steven Bowie Printmaking FAB Gallery (until 5 April)

Bowie shares Matejko's fascination with water. In *Hellespont*, the waves are violent. *Rex Mundi* has a scary skull that speaks volumes about death's dominion. *Los Alamos Medicine Man* comments cryptographically on the bland scientist who simply does his job. Ten works on show, most of them triptychs, created between 1986 and 1987. Powerful imagery, worth a visit. □

Replenishment of GFC Standing Committees 1987

The terms of office of a number of staff members on GFC standing committees and bodies with membership elected by GFC will expire on 30 June 1987. During the coming weeks, the Nominating Committee will be seeking replacements for these members, and for those members whose terms of office might be interrupted by study leave during 1987-88. Vacancies will occur on the following Committees:

GFC Executive Committee (nominees must be members of GFC)

Academic Appeals Committee: Regular and Alternate members

Academic Development Committee

Admissions and Transfer Committee

Computing Committee

Department Chairmen Selection Committee: Panel of Members

Facilities Development Committee

Faculty Tenure Committees: Nominees must be tenured

General Salaries and Promotions Committee

Library Committee

Planning and Priorities Committee

The Senate

Special Sessions Committee

Committee for Improvement of Teaching and Learning

Undergraduate Scholarship Committee

Undergraduate Teaching Awards Committee

Universities Co-ordinating Council

University Disciplinary Panels

University Professors Selection Committee

Writing Competence Committee

Writing Competency Petitions Committee: Alternates

Membership is not restricted to members of GFC unless specified.

The terms of office for staff members are for periods of up to three years, commencing 1 July 1987.

The Nominating Committee will be pleased to hear from those who have suggestions for nominations or who would be interested in serving on the above committees. Those people are asked to communicate with Mrs. P. Plaskitt, Nominating Committee Coordinator, 2-5 University Hall (432-2715), who will be pleased to provide any further information. Alternatively, written nominations may be sent and should be accompanied by a *vita*.



Activities

Ikkyu and the Crazy Cloud Anthology, translated by **Sonja Arntzen** (East Asian Languages and Literatures), has been published by the University of Tokyo Press . . .

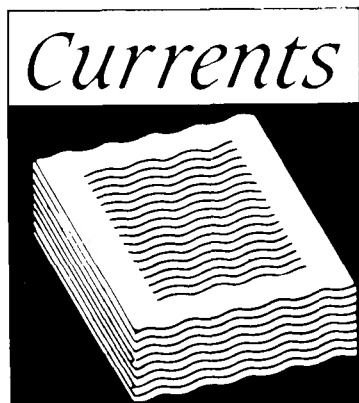
The recipient of the first PhD degree awarded by the University of Alberta was a guest speaker in the

Department of Genetics. **Clayton Person**, who earned his doctorate in 1953, is with the University of British Columbia's Department of Botany . . . Another visitor, Amanda Reid, addressed staff and students of Rehabilitation Medicine . . . The Canadian Institute of Ukrainian Studies has published *Famine in Ukraine 1932-1933*, and **Bohdan Krawchenko**, Director of the Institute, has been awarded the Antonovych Foundation Prize for his book *Social Change and National Consciousness in Twentieth-Century Ukraine* . . . On 18 March, **Lanny Howell** (Comptroller's) received a City of Edmonton Athletic Award for his efforts at last year's Canadian Masters National Swimming Championships in Halifax.

U/CSPF Deadline Closing In

The next deadline for the submission of applications to the University/Community Special Projects Fund is 15 April 1987.

Late applications will not be considered by the advisory committee until the meeting following the next deadline of 15 October 1987.



Faculty Women's Club Meeting

The Faculty Women's Club of the University of Alberta will hold its annual meeting and banquet on Tuesday, 14 April, at the Derrick Golf and Country Club. Guest speaker Peter Lindsay (Physical Education and Sport Studies) will discuss "Women in Sport at the University of Alberta."

Tickets (\$12) are available from Rita Kumar, 435-5803.

Reception for Eileen Marcotte

Eileen Marcotte, who has worked at the University of Alberta since July 1967, is retiring.

Initially a Bookkeeping Machine Operator in the Office of the Bursar (later to become the Office of the Comptroller), she worked in a number of capacities in the department before transferring to the Office of Administrative Systems in 1979. She has been the supervisor of the Customer Support Centre ever since.

A reception for Marcotte will be held on 1 May from 4 to 7 p.m. in the Alberta Room of Lister Hall. Hot and cold appetizers will be served, with a cash bar. Price \$6.50 per person.

Those who wish to attend the function and/or donate to a gift are asked to call Joan Yandeau or Joan Owen (432-4572) before 15 April.

Call for Papers

The American Association on Mental Deficiency (AAMD) will hold its Annual Region IV Conference in Edmonton (Westin Hotel) from 16 to 18 September 1987. The conference theme is "Working Towards Self-Sufficiency" and keynote speakers include Dennis Mithaug, Jack Stark, Robert Bruininks and James Ellis. Paper and poster submissions will be accepted to 22 May.

Thomas A. Ebert, President of Western Industrial Research and Training Centre (WIRTC) and Assistant Clinical Professor in Occupational Therapy, is Chairman of the 1987 AAMD Region IV Executive Committee.

Further information from Steven Dennis, Vice-President Research at WIRTC, 454-9656.

Project proposals and requests for application forms should be directed to the Committee Secretary, Mrs. Eva M. Cherniavsky, 3-13 University Hall. □

Talks

Women's Program and Resource Centre

3 April, noon. "Love Affair with Politics," a half hour NFB film produced by Kathleen Shannon. Discussion to follow. 2-101 Education North.

English

3 April, 2 p.m. J.E. Svilpis, University of Calgary, "The Mad Scientist and Domestic Affections in Gothic Fiction." 5-20 Humanities Centre.

6 April, 4 p.m. Robert Wilson, "The Discourse of Museums/Museums of Discourse: Postmodernist Collectivity." 5-20 Humanities Centre.

8 April, 4 p.m. Frank Davey, York University, "Reading Canadian Reading: A Progress Report on Canadian Criticism." 5-20 Humanities Centre.

Physics

3 April, 2 p.m. D.I. Gough and E.R. Kanasevich, "Project Lithoprobe." V-121 Physics Building.

10 April, 2 p.m. Allan MacDonald, Professor, National Research Council, "Raman Scattering in Periodic and Fibonacci Superlattices." V-121 Physics Building.

Comparative Literature

3 April, 3 p.m. Karin Kondratzky, "Torn Voices: Language and Communication in Margaret Laurence's *The Stone Angel* and Anne Hébert's *Kamouraska*." 101 Law Centre.

Economics

3 April, 3 p.m. Takafusa Nakamura, Professor of Economics, University of Tokyo and Ochanomizu University, "Japan's Role in the World Economy: Present and Future." TB-W1 Tory Building.

History

3 April, 3:05 p.m. S. Vinh and N. Wickenden, "Western Ideas in Meiji Japan: The Case of Tokutomi Sohō's *Shōrai No Nihon* (The Future Japan)." 2-58 Tory Building.

Zoology

3 April, 3:30 p.m. Jean de Vellis, Neurobiochemistry Group, Mental Retardation Research Centre, University of California, Los Angeles, "Role of Hormones and Growth Factors in the Development of Neurons." M-149 Biological Sciences Centre. Sponsored by AHFMR.

Food Science

6 April, 11 a.m. Marvin A. Tung, Professor of Food Science, University of British Columbia, "Thermal Processing With a Focus on Thin-Profile Packaged

Products." 723 General Services Building.

7 April, 11 a.m. Professor Tung, "Food Rheology and Texture." 553 General Services Building.

Agricultural Engineering

6 April, 3:30 p.m. C. Wayne Lindwall, Head, Soils and Engineering Section, Agriculture Canada, Lethbridge, "New Developments in Tillage, Seeding and Fertilizer Placement Research." E-342 Chemical-Mineral Engineering Building.

Art and Design

6 April, 5 p.m. Michael Lyons, steel sculptor, will speak on his work. 2-20 Fine Arts Building.

Plant Science

7 April, 4 p.m. Z. Ruihua, "Soybean Production in Northeast China." 811 General Services Building.

9 April, 4 p.m. H. Klein-Gebbinck, "Epidemics in Mixtures of Immune and Susceptible Plants." 811 General Services Building.

14 April, 4 p.m. C. Park, "Chromosome Instability in Tissue Culture." 811 General Services Building.

Sociology

8 April, noon. Ron Meleshko, Alberta Cancer Board, "Research on Second-Hand Smoke and its Influence in the Formation of Workplace Smoking Policies." (This presentation will feature the video "Smoking Against Your Will.") 5-15 Tory Building.

Forest Science

8 April, noon. Nora Kopjar, MSc graduate student, "Bison Management in Banff National Park: Opportunities for Bison Viewing in the Buffalo Paddock, and Present Visitor Use." 4-1 Mechanical Engineering Building.

Botany

8 April, 4 p.m. A. Hegazy, "Perspectives on Ecophysiology and Population Biology of Cushion-Plant." M-149 Biological Sciences Centre.

Soil Science

9 April, 12:30 p.m. Fred G. Peet, Pacific Forestry Centre, Canadian Forestry Service, Institute of Pedology, "Some Biological Applications of Digital Image Processing." 2-36 Earth Sciences Building.

Entomology

9 April, 4 p.m. Curtis W. Sabrosky, Curator Emeritus, Entomology Research Laboratory, USDA, United States National Museum, "A Look at the Classification and Life of Haematophagous Dipterans in the Genera *Cuterebra* and *Protocalliphora*." TB-W1 Tory Breezeway.

Canadian Institute of Ukrainian Studies

10 April, 7:30 p.m. Mark Bandera, "Ukrainian Instrument Folk Music in Western Canada." Heritage Lounge, Athabasca Hall.

Pharmacy and Pharmaceutical Sciences

13 April, 3 p.m. Ian C.P. Smith, Principal Research Officer, National Research Council of Canada, Division of Biological Sciences, Ottawa, "NMR in Biomedical Sciences." 2031 Dentistry-Pharmacy Centre.

The Arts

Exhibitions

Music

Until 3 April. A photo-documentary exhibition on the twentieth century Austrian composers Arnold Schönberg, Anton von Webern, and Alban Berg. Second floor, Fine Arts Building.

FAB Gallery

Until 5 April. "Earth Sky and Water"—a sculpture exhibit by Agnieszka M. Matejko. 1-1 Fine Arts Building.

Clothing and Textiles

Until 10 April. The Collier Collection of Chinese Folk Embroideries. Basement, Home Economics Building.

Ring House Gallery

Until 15 April. "Four Bizen Pieces"—an exhibition of pottery by Japanese artist Kaneshige Michiyaki.

Until 15 April. "The Pinhole Camera"—contemporary photographs made with cameras that do not use the features of a lens, shutter, focus knob and light meter.

McMullen Gallery

Until 24 April. "A Decade Plus." Walter C. Mackenzie Health Sciences Centre.

Bruce Peel Special Collections

Until 29 May. "Books Are/Books A' Not: Two Decades of Bookworks a Artists' Books, With Some Historical Precedents"—a colorful look at the remarkable things that have happened to books since the 1960s. Includes books that are wordless, altered, pop-up and fold-out. Hours: Monday and Friday—8:30 a.m. to 4:30 p.m.; Tuesday, Wednesday, Thursday—8:30 a.m. to 6 p.m.; Saturday—noon to 5 p.m.; Sunday—closed. B7 Rutherford South.

Studio Theatre

Until 4 April. "Ten Lost Years 1929-1939." 432-2495.

SUB Theatre

3 April, 8 p.m. "Little Shop of Horrors." 4 April, 9:30 a.m. and 7:30 p.m. Northern Alberta Body Building Championship. Tickets at BA55.

Music

All events take place in Convocation Hall.

3 April, 8 p.m. University of Alberta Concert Choir Spring Concert—Leonard Ratzlaff, conductor.

4 April, 5 p.m. Junior Student Recital—Stephen Collins, viola.

4 April, 8 p.m. Senior Student Recital—Roland Fix, baritone.

5 April, 3 p.m. University of Alberta Concert Band—Ernest Dalwood, conductor.

6 April, 5 p.m. Non-compulsory St Recital—Tim Hankewich, piano.

6 April, 8 p.m. University of Alberta Stage Band—Neil Corlett, conductor.

7 April, 8 p.m. Senior Student Recital—Bruce Hoag, percussion.

9 April, 8 p.m. Non-compulsory Student Recital—Tricia Stuckey, piano.

10 April, 8 p.m. Senior Student Recital—Laurier Fagnan, baritone.

11 April, 8 p.m. Faculty Recital—William Renwick, organ.

12 April, 3 p.m. Senior Student Recital—Carol Pfeiffer, piano.
12 April, 8 p.m. The University of Alberta Madrigal Singers Spring Concert—Leonard Ratzlaff, conductor.

Broadcasts

Radio

CKUA

4 April, 7 p.m. Music at the University of Alberta presents "French Baroque Organ Music." Guest: Paul Rice.

CJSR-FM

Eclectic programming, including folk, jazz, new music, rock and U of A news and sports coverage. See *Airtight* magazine for full programming details. Send public service announcements to 224 SUB, 432-5244.

Positions

The University of Alberta is committed to the principle of equal opportunity in employment and encourages applications from all qualified people.

In accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.

Academic

Telecommunications

Researchers, Alberta Telecommunications Research Centre

The Alberta Telecommunications Research Centre (ATRC), a fully accredited part of the University of Alberta, is a private non-profit corporation, established by the University of Alberta to conduct joint research and education in telecommunications. ATRC brings together academic staff from the University of Alberta with industrial sponsor research affiliates in a collaborative environment to explore new technology and concepts in telecommunications.

We are searching for: Innovative engineers and scientists with advanced degrees in Electrical Engineering, Communications, Physics or Computing Science to join our team.

As principal researchers, you will supervise graduate students and professional staff on telecommunications research projects in the following areas: digital radio, fibre optic Local Area Networks, ISDN, D-Channel protocols, medical communication applications, and Expert Systems for Telecommunication Network Management. ATRC is also interested in individuals with strong telecommunications research proposals of their own.

Scientific staff positions in ATRC and faculty positions with the University of Alberta are both available. Faculty positions will be at the Assistant, Associate or full Professor rank, depending upon qualifications and experience.

The ATRC/U of A offer relocation allowances, competitive salaries and a complete benefits package.

Submit résumés to: Mr. Ray F. Fortune, President, Alberta Telecommunications Research Centre, 9415 20 Avenue, Edmonton, Alberta T6N 1E5.

Editor (Part-Time), Legal Resource Centre, Faculty of Extension

The University of Alberta invites applications for the half-time position of Editor for the Legal Resource Centre of the Faculty of Extension.

This person will be the editor of *Resource News*, a monthly public legal education magazine, and will also assist with other Centre productions and promotional activities.

Formal legal education or equivalent experience is essential. A university degree in education, the social sciences or humanities is preferred. Training or experience in journalism or the publication industry is desirable. Experience in creative writing is also an asset.

Salary range: \$14,000 to \$16,000.

Applicants should send a current *curriculum vitae* to: Julia O'Hara, Administrative Assistant, Legal Resource Centre, 10049 81 Avenue, Edmonton, Alberta T6E 1W7, by 15 April 1987.

Librarian, Institute of Law Research and Reform

The Institute of Law Research and Reform invites applications for the position of Librarian on a part- or full-time basis. Qualifications preferred include a degree in Library Science, a law background and progressively responsible experience in reference services, including facility in computer search services and the preparation of bibliographies. In addition to the reference function, the Librarian will be in charge of the Institute's library which includes involvement in collection development, processing library orders and materials, cataloguing acquisitions and general library maintenance. The Librarian will be an active participant on Institute projects from beginning to end and may be asked to proofread documents prepared for publication and check footnotes.

The appointment may be made at the University of Alberta's Librarian I level with a salary range of \$25,972 to \$32,582 or at the lower end of the Librarian II level with a salary range of \$31,612 to \$40,764, depending upon experience and qualifications.

The position is open immediately, but a later date of appointment may be arranged.

Applicants should send *curriculum vitae*, transcripts of academic record, and the names of three references to: Margaret A. Shone, Counsel, Institute of Law Research and Reform, 402 Law Centre, University of Alberta, Edmonton, Alberta, T6G 2H5.

Closing date is 16 April 1987. The Institute of Law Research and Reform is an equal opportunity employer.

Athabasca University Seminar Tutor (Part-Time), Slave Lake

Athabasca University requires a tutor to conduct seminars on Personnel Management at Driftpile, Slave Lake.

Qualifications: Degree in the related field of Organization Behavior, Management Sciences, Administrative Principles or MBA degree preferred. Some teaching experience required plus knowledge and experience of human resource management and necessity

Salary: \$2,300. Full-time. 11 to 22 May and 8 to 19 June 1987.

Reply with *vita* and proof of credentials by 10 April 1987 to: Personnel Services, Athabasca University, Box 10,000, Athabasca, Alberta T0G 2R0.

For further information, telephone 432-1550.

Support Staff

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. Due to publication lead time and the fact that positions are filled on an on-going basis, these vacancies cannot be guaranteed beyond 27 March 1987. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in PSSR.

Technical Assistant (Trust), Medicine, (\$1,366-\$1,716)

Technician I (Trust/Term), Foods and Nutrition, (\$1,580-\$2,027)

Technician I (Trust), Pediatrics, (\$1,580-\$2,027)

Biology Technologist I, (Trust), Genetics, (\$1,945-\$2,510)

For vacant Library positions, telephone 432-3339.

Advertisements

Accommodations available

Rent - Riverbend. New 2,800 sq. ft. home. Ten minutes from campus. Four bedrooms. Partially furnished. One year from 1 August. 436-6196, 441-4801.

Rent - University area, one-bedroom suite, clean, quiet, balcony. \$400. 433-6024.

Rent - Lendrum. Four-bedroom, unfurnished house. Family room, den, fenced yard, garden, five appliances. Attached garage. Across from schools, playground. 1 May. 436-6763, 432-2761.

Rent - North Glenora. Furnished house. Sunny, three bedrooms, tree-lined street, finished basement. Ten minutes to campus. 1 May-31 August. Call Diane, 483-4060 (days), 452-6393 (evenings).

For rent - 1 May. Three-bedroom house, four appliances, three blocks to campus. \$600/month. Peter, 432-3696, 439-0714.

Rent - Large, three-bedroom duplexes. Treed yards. Four appliances. Private laundry room. Triple parking. Pets negotiable. University Avenue, 114 St. \$560-\$660. 1 May. 424-5874.

Sale - Charming, smaller house. Walk to University, IGA, McKernan School. Newly renovated. Suite downstairs. Large, sunny lot. Nice lawns, big garden, mature trees. No agents. \$76,000. 432-3473 (John), 436-4394 evenings.

Sale - Lakefront, log cabin. Muriel Lake. 30'x32', three bedrooms, loft, boathouse, clay tennis court, garden. \$94,500. Phone 433-4870.

For rent - 1 May. One-bedroom, basement suite. Furnished. Full kitchen, near Southgate. Quiet, non-smoker. 434-8801 5-7 p.m.

Sale - North Windsor Park. Three-bedroom bungalow, fireplace, two bedrooms in developed basement. Large lot across from park. \$141,500. 439-9376.

Rent or exchange - Vancouver Island, furnished, three-bedroom home. Half acre, ocean view. For 2-3-bedroom home, furnished, near U of A, available 20 August 1987-10 May 1988. 438-1044.

Sale - Windsor Park. Five bedrooms, hardwood floors, double garage. Ask for Pat or Chris. Spencer Real Estate, 436-5250, 437-6540, 433-5664.

Sale - Grandview. New listing. Attractive, three bedrooms plus study. Lovely, big, south yard. \$163,000. Ask for Pat von Borstel, 437-6540, 436-5250. Spencer Real Estate.

Sale - Five bedrooms, two-storeys, fully developed in Riverbend 2,447 sq. ft. Quiet street, double garage, island kitchen, tasteful, neutral decor, many extras. \$184,900. Liz Crockford, Spencer Realty, 436-5250. 480-2352.
Sale - Ravine townhouse. Contemporary, 2,150 sq. ft. Double garage, fireplaces, jacuzzi, sauna, appliances included. Asking \$159,000. Liz Crockford, Spencer Realty, 436-5250, 434-0555.
Sale - Exclusive listing. Old Riverbend. Unique lot with privacy front and back. Super, new oak kitchen. Bay windows, security system, fireplaces. \$215,000. Liz Crockford, Spencer Real Estate. 436-5250, 434-0555.
Sale - Picture perfect, both levels of this Aspen Gardens bungalow. Family room, fourth bedroom, bathroom and den down. Double garage. Excellent schools. Asking \$107,000. Liz Crockford, Spencer Realty, 436-5250, 480-2352.

Accommodations wanted

Two or three-bedroom, furnished house, from 1 Sept 1987-30 April 1988 (approximately). Private yard essential. 438-1044.

UBC Law professor, on leave, requires three-bedroom house, commencing 1 July. Have house in Vancouver to rent or swap. Phone Howard, 427-8015, 439-1271.

Mature female, non-smoker, fourth-year honors music student, available to house-sit, variable lengths of time. May through August. References available. Lynne, 488-8053.

Mature, academic family seeking summer accommodation. Will care for your home. References available, 454-6153.

Need to rent apartment in Honolulu, Hawaii, for six months, from July. 432-5497 (John), 436-4394 evenings.

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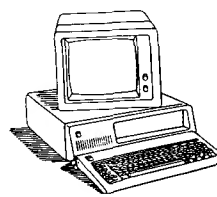
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